

Chehalis River Basin Flood Relief Projects

Tier II Projects

2013-2015 Capital Budget

Jurisdiction	Project	Estimate Range 1	Estimate Range 2	2013-15 Cost	2013-15 Cost Description	2013-15 Public Safety Benefit
1. Grays Harbor County	A. Chehalis River Bank Erosion Risk Assessment for the Satsop Business Park industrial water line	\$ 40,000	\$ 64,000	\$ 52,000	Conduct hydrology analysis to understand risks, costs and alternatives	Ensures protection and continued operation of industrial utility infrastructure for: o 650 Mwt Plant (650K person capacity). o Industrial business park (30 businesses).
2. Grays Harbor County	B. Elma-Porter Flood Mitigation Project:					
	i. Wakefield Road Bridge overflow bridge.	\$ 6,000,000	\$ 6,000,000	\$ 6,000,000	Permit and construct overflow bridge	Provides egress (South Elma Road) and protection for: o Hundreds of workers from Satsop Development park, Briggs nursery, commercial farms, gas fired power plant and more.
	ii. Dunlap and Porter Creek Roads:					
	* Refine model and perform alternatives analysis.	\$ 50,000	\$ 50,000	\$ 50,000	Refine model and perform alternatives analysis	o ~12 residences directly affected with many more additionally protected.
	* Refine flood relief alternatives and do pre-design, final design and permitting for culvert installation in the Porter Creek/South Elma junction area.	\$ 150,000	\$ 150,000	\$ 150,000	Refine flood relief alternatives; do pre-design, final design and permitting for culvert installation in Porter Creek/South Elma junction area	

3. Cosmopolis	H. Mill Creek Dam Improvements	\$ 2,000,000	\$ 2,000,000	\$ 250,000	Hydraulic analysis, Alternatives analysis	Provides protection for: <ul style="list-style-type: none"> o ~325 residences and ~130 homes (Cosmopolis). o ~200 residences and ~90 homes (South Aberdeen). o Two significant employers (Western Peterbilt with 25 employees and D4 Sports with 7 employees). o Grays Harbor County Road Maintenance Shop (with 10-15 employees).
4. Lewis County	J. Flow Channel Under SR6	\$ 13,300,000	\$ 13,300,000	\$ 13,300,000	Preliminary design, alternatives analysis, costing, final design, permitting, construction	Provides protection for: <ul style="list-style-type: none"> o Preventing further overtopping State Highway 6. o Maintaining through access for EMS vehicles, vehicles accessing the hospital and many local landowners and residences.

5. Centralia	K. China Creek Flood Project	\$ 16,800,000	\$ 16,800,000	\$ 6,000,000	Engineering design, SEPA and permitting, Land acquisition	Provides protection for: <ul style="list-style-type: none"> o Residential and commercial areas serving significant numbers of Centralia residents through several blocks on either side of China Creek (between Yew Street and Railroad Avenue). o Local roads for City transportation and stormwater infrastructure. o Local roads for emergency responders.
6. Chehalis	M. Dillenbaugh Creek Realignment	\$ 100,000	\$ 500,000	\$ 500,000	Hydraulic/hydrology analysis, preliminary design and costing, permitting, final engineering, construction	Provides protection for: <ul style="list-style-type: none"> o ~ 74 residences. o ~ 13 businesses. o Interstate-5 by removing the meandering channel that occurs under Interstate-5.

7. Napavine	N. Kirkland Road Culvert Project	\$ 2,555,000	\$ 2,555,000	\$ 2,555,000	Preliminary design, alternatives analysis, costing, final design, permitting, construction	Provides protection for: <ul style="list-style-type: none"> o Major businesses (McDonalds, Burger King, Ramblin Jack Restaurant, Subway, gas stations) that have been flooded in the past. o Local church (Bethel church). o Local residences. o Lewis County maintenance shed. o Continued access through Exit 72 (Interstate 5).
8. Pe Ell	O. Pe Ell Wastewater Treatment Plant Flood Prevention Dike	\$ 521,000	\$ 521,000	\$ 521,000	Preliminary design, alternatives analysis, costing, final design, permitting, construction	Provide protection and continued operation for: <ul style="list-style-type: none"> o Pe Ell Wastewater Treatment Plant (sole treatment capacity for 350 residences and ~20 businesses).
9. Bucoda	Q. Regrade Main Street	\$ 174,263	\$ 174,263	\$ 174,263	Preliminary design, alternatives analysis, costing, final design, permitting	Provides protection for: <ul style="list-style-type: none"> o Main St.to stay open for emergency fire, police and EMS vehicles, as well local through-traffic. o ~50 residences.

Total -->	\$ 41,690,263	\$ 42,114,263	\$ 29,552,263		
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